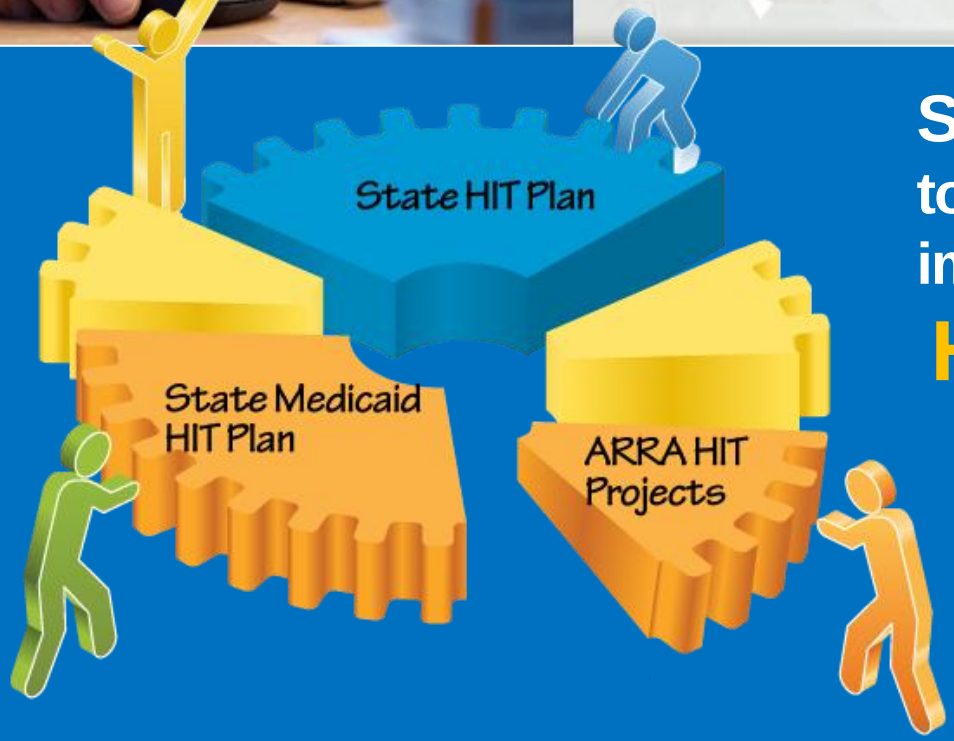


Systems working together:
to reduce health care costs & improve quality of care

HIT and HIE in Alaska

Key Terms

- **Health Information Technology (HIT)**
  - Any computer systems and electronic technologies used for health and health care purposes.

Common forms of HIT are:

- **Electronic Medical Record (EMR)**
  - A person's provider specific medical chart in electronic format
- **Electronic Health Record (EHR)**
  - Captures patient information electronically as related to health care, payment, and wellness; may contain some but not all of the information in an EMR as well as information not found in an EMR
- **Health Information Exchange (HIE)**
  - An electronic means to share computerized health information, it can take many forms; a portal, network, cloud computing, etc.

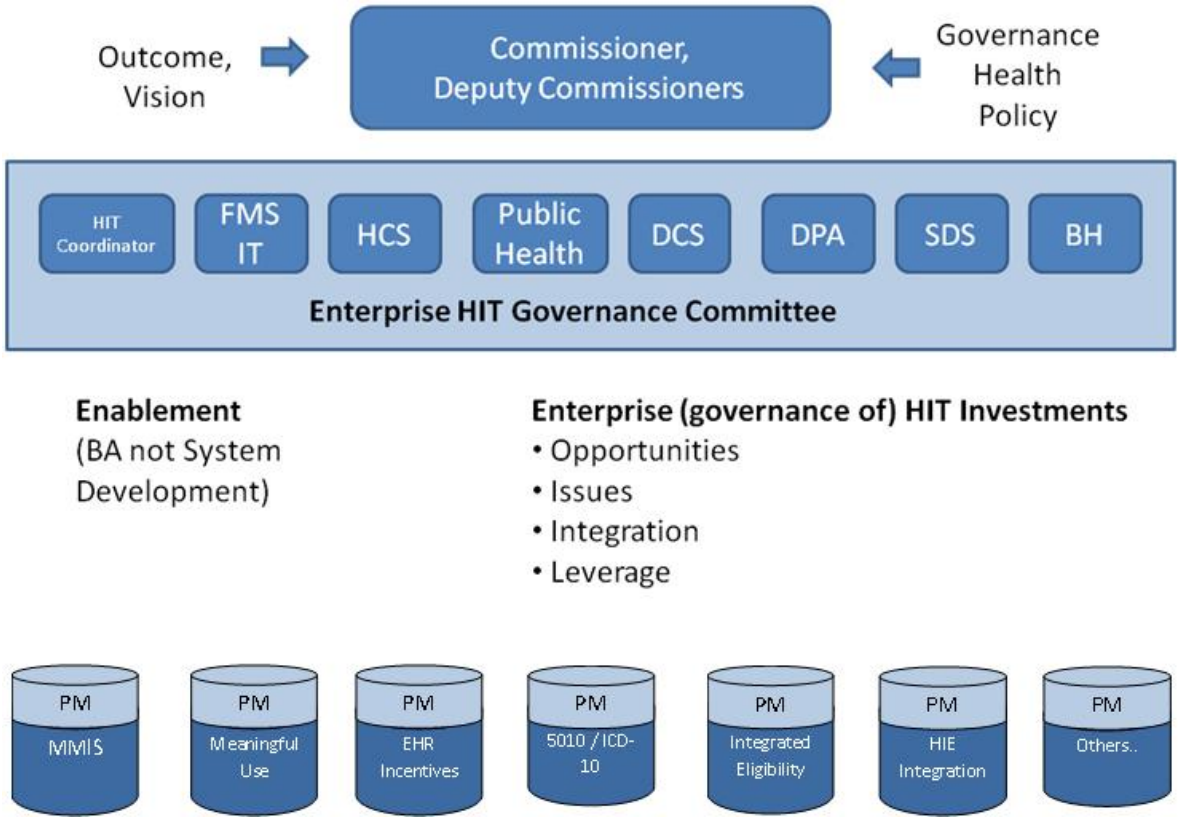
Statewide HIT Program Goals:

- Improve access to healthcare services and affordable health insurance coverage.
- Reduce Alaska's medical inflation rate so that it is at least below the national rate, in order to contain cost growth.
- Assure that healthcare services delivered in Alaska meet the highest quality and safety standards
- Focus on prevention, not just clinical preventive services for individuals, but public health. community-based policies and programs, to support improved health status and to control costs by reducing the burden of preventable illness and injury.

Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

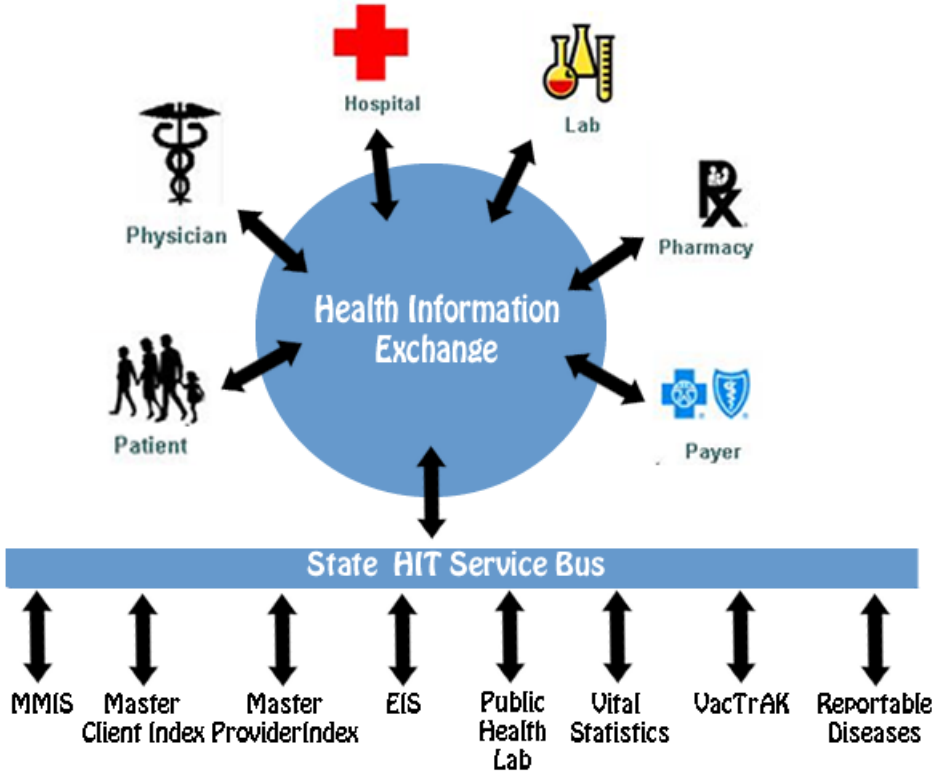
DHSS HIT Governance



Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

Health Information Exchange



HIE Needs

- Master Client Index (MCI)
  - List of all individuals in the state
- Mater Provider Index (MPI)
  - Entity Level
    - List of all provider groups
  - Individual Level
    - List of all providers
    - Relationships between providers and groups
    - Message destination for each provider at each entity

Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

EHR Incentives

Provider Type	Potentially Eligible (estimate)	Registered with CMS	Registered with State	Attestation Completed
Professionals & Groups	2500	49	36	22
Hospitals	21	5	0	0
Total	2521	54	36	22

Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

Stage 1 Meaningful Use requirements related to HIE:

- E-prescribing
- Receipt of structured lab results
- Sharing patient care summaries across unaffiliated organizations

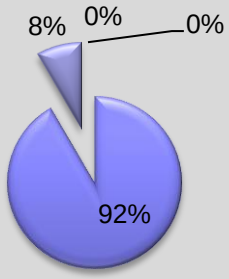
Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

Eligible Hospitals Clinical Quality Measure Survey Results

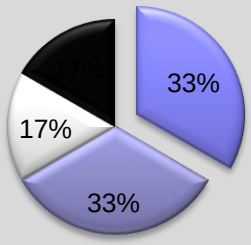
Clinical Lab Test Results

- % in Use
- % Not in use
- % Not Functionally available
- % No response or not sure



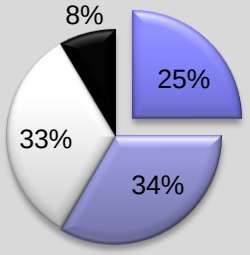
Summary of Care

- % in Use
- % Not in use
- % Not Functionally available
- % No response or not sure



Electronic Prescribing

- % in Use
- % Not in use
- % Not Functionally available
- % No response or not sure

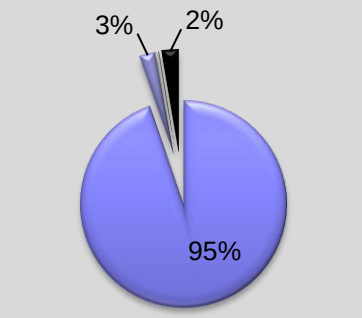


Health Information Technology

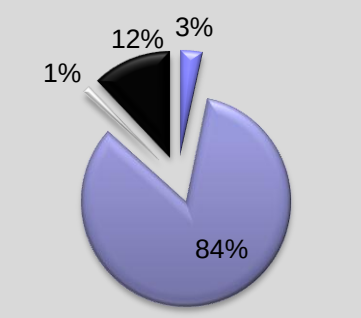
Systems working together: to reduce health care costs & improve the quality of care

Eligible Professionals Clinical Quality Measure Survey Results

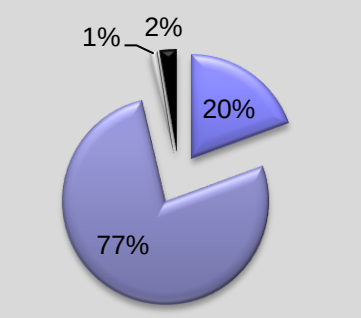
Clinical Lab Test Results



Summary of Care



Electronic Prescribing



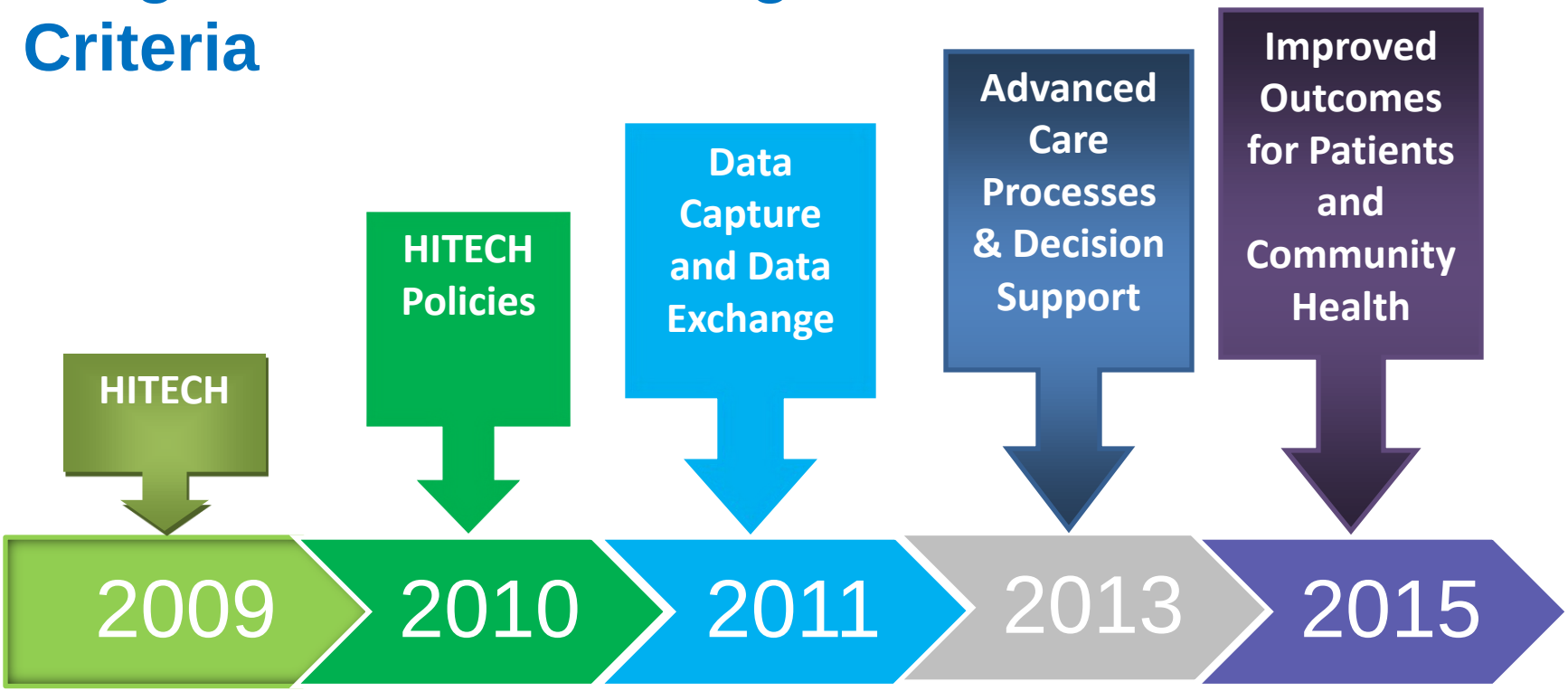
Meaningful Use

- Set of measures
  - Quality (outcomes)
  - Process (use of best practices/data capture)
  - Capabilities (computerized functions)
- Slightly different measures for hospitals and health professionals
- Providers must attest to and later submit these measures to receive funds

Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

Progression of Meaningful Use Criteria



Health Information Technology

Systems working together: to reduce health care costs & improve the quality of care

Stage 1 Objectives and Measures Reporting

- Eligible Professionals must complete:
  - 15 core objectives
    - 5 objectives out of 10 from menu set
  - 6 total Clinical Quality Measures

  (3 core or alternate core, and 3 out of 38 from alternate set)
- Hospitals must complete:
  - 14 core objectives
    - 5 objectives out of 10 from menu set
  - 15 Clinical Quality Measures

What will the EHR/clinical data be used for

- Promote care coordination with providers?
- Link participants with departments for network of care?
- Use of Evidence based Medicine and Physician Practice guidelines?
- Support population based research and outcomes measurements?
- Improve patient education and follow-up care interventions?
- Any new clinical/quality items that we will want to collect?

Barriers

- Providers
  - Not all providers are eligible for EHR Incentives
  - Not all eligible providers can make the business case to adopt certified EHR's
  - Providers find it difficult to make the business case for ePrescribing
  - Meaningful Use requirements
- State
  - Siloed data in state systems and lack of trust between divisions and departments